



WATER MANAGEMENT MONTHLY REPORT

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RESERVOIR OPERATION AND SYSTEM STATUS FOR MAY 2001

HIGHLIGHTS – Cairo stage began the month at 30.4 feet and ended at 34.9 feet. Normal stage for May is 33 feet. The stage at Cairo crested at 39.7 feet on May 25th, 0.3 feet below flood stage, and was falling rapidly at end of month.

WEATHER –The weather during May was somewhat warm and precipitation was quite varied. The month was warm and dry during the first two weeks and then turned wet and cool. Precipitation was well below normal throughout the basin for the first two weeks of May. Starting on the 15th of May the weather patterns shifted and an upper air low pressure system stalled over the mid-west bringing cool temperatures and persistent rains for the remainder of the month. These rains were tracking from northern Indiana through Ohio and West Virginia. Much of this area received twice the normal rainfall. Pennsylvania, southern Indiana, western Kentucky and Tennessee still remained below normal in expected rainfall.

TEMPERATURE AND PRECIPITATION – MAY 2001

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	60.0	0.0	2.11	-1.48
Charleston, WV	64.0	+0.5	8.76	+4.82
Columbus, OH	63.5	+2.3	7.03	+3.10
Cincinnati, OH	64.2	+1.3	5.16	+0.88
Louisville, KY	67.2	+1.9	6.60	+1.98
Indianapolis, IN	64.4	+1.6	4.10	+0.10

Evansville, IN	67.6	+2.1	3.82	-0.93
Nashville, TN	68.0	+0.3	5.54	+0.98

STREAMFLOW -- Ohio River monthly average flows for May ranged from a low of 59 percent of normal at Pittsburgh, PA to a high of 99 percent of normal at Cincinnati, OH. Daily flows ranged from a low of 15 percent of normal at Paducah, KY to a high of 286 percent of normal at Huntington, WV.

The following table presents the flow data summary for May at the Ohio River Index Stations:

FLOW DATA – MAY 2001

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	22,500	59	126	26
Huntington, WV	89,100	96	286	24
Cincinnati, OH	121,900	99	260	20
Louisville, KY	134,000	95	230	16
Evansville, IN	131,400	78	185	18
Paducah, KY	173,500	54	113	15

RESERVOIRS -- May started with 1.0% utilization of the total system flood control storage and ended the month at 1.1%. System-wide augmentation storage increased from 91.9% at the beginning of the month to 93.3% by the end of the month. Significant flood storage utilization in excess of 25% occurred at R. D. Bailey, Deer Creek and Paint Creek reservoirs in the Guyandot and Scioto River basins.

The following table depicts storage change by tributary reservoir subsystem for May:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
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Allegheny-Monongahela-Beaver	+3,900
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+3,300
Twelvepole-Big Sandy-Little Sandy- Scioto	+41,200
Little Miami-Licking-Mill Creek-Great Miami	+27,300
Kentucky-Salt-Green-Wabash	+74,900
Cumberland	-84,800
TOTAL	+65,800

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